

Title (en)

Use of anti-amyloid beta antibody in ocular diseases

Title (de)

Verwendung eines Anti-Amyloid-Beta-Antikörpers bei Augenkrankheiten

Title (fr)

Utilisation d'anticorps anti-beta amyloïde aux maladies oculaires

Publication

EP 2586795 A3 20130821 (EN)

Application

EP 12189859 A 20081003

Priority

- US 96061507 P 20071005
- US 96061407 P 20071005
- EP 08837467 A 20081003

Abstract (en)

[origin: WO2009048539A2] The present invention provides novel methods and compositions comprising highly specific and highly effective antibodies that specifically recognize and bind to specific epitopes from a range of β-amyloid proteins. The antibodies of the present invention are particularly useful for the treatment of ocular diseases associated with pathological abnormalities/changes in the tissues of the visual system, particularly those ocular diseases associated with amyloid-beta-related pathological abnormalities/changes in the tissues of the visual system.

IPC 8 full level

C07K 16/18 (2006.01); **A61K 39/395** (2006.01); **A61P 27/02** (2006.01)

CPC (source: EP RU US)

A61K 39/3955 (2013.01 - RU US); **A61P 27/00** (2017.12 - EP); **A61P 27/02** (2017.12 - EP); **A61P 27/06** (2017.12 - EP);
C07K 16/18 (2013.01 - EP RU US); **A61K 2039/505** (2013.01 - EP US); **A61K 2039/54** (2013.01 - US); **C07K 2317/24** (2013.01 - US);
C07K 2317/56 (2013.01 - EP US); **C07K 2317/565** (2013.01 - EP US)

Citation (search report)

- [I] WO 2007068412 A2 20070621 - AC IMMUNE SA [CH], et al
- [E] WO 2008156621 A1 20081224 - AC IMMUNE SA [CH], et al
- [Y] WO 2006039327 A2 20060413 - MERCK & CO INC [US], et al
- [A] WO 2006083533 A2 20060810 - UNIV CALIFORNIA [US], et al
- [A] EP 1420032 A1 20040519 - MED & BIOLOGICAL LAB CO LTD [JP], et al
- [Y] DING ET AL: "Targeting age-related macular degeneration with Alzheimer's disease based immunotherapies: Anti-amyloid-beta antibody attenuates pathologies in an age-related macular degeneration mouse model", VISION RESEARCH, PERGAMON PRESS, OXFORD, GB, vol. 48, no. 3, 20 September 2007 (2007-09-20), pages 339 - 345, XP022452227, ISSN: 0042-6989
- [Y] GUO LI ET AL: "Targeting amyloid-beta in glaucoma treatment", PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF USA, NATIONAL ACADEMY OF SCIENCE, WASHINGTON, DC., US, vol. 104, no. 33, 1 August 2007 (2007-08-01), pages 13444 - 13449, XP002471873, ISSN: 0027-8424
- [Y] MCKINNON S J ET AL: "Caspase activation and amyloid precursor protein cleavage in rat ocular hypertension", INVESTIGATIVE OPHTHALMOLOGY & VISUAL SCIENCE, ASSOCIATION FOR RESEARCH IN VISION AND OPHTHALMOLOGY, US, vol. 43, no. 4, 1 January 2002 (2002-01-01), pages 1077 - 1087, XP009120016, ISSN: 0146-0404

Cited by

US12016885B2; US12016886B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

WO 2009048539 A2 20090416; WO 2009048539 A3 20091203; AU 2008311367 A1 20090416; AU 2008311367 B2 20141113;
BR PI0818643 A2 20170523; CA 2701793 A1 20090416; CA 2701793 C 20170425; CN 101883790 A 20101110; CN 101883790 B 20150909;
CY 1114913 T1 20161214; DK 2238166 T3 20140127; EP 2238166 A2 20101013; EP 2238166 B1 20131127; EP 2586795 A2 20130501;
EP 2586795 A3 20130821; EP 2586795 B1 20180516; ES 2445590 T3 20140304; HK 1149571 A1 20111007; HR P20140175 T1 20140411;
IL 204836 A0 20101130; PH 12013501456 A1 20151202; PL 2238166 T3 20140731; PT 2238166 E 20140211; RS 53174 B 20140630;
RU 2010116824 A 20111110; RU 2012133155 A 20140210; RU 2482876 C2 20130527; RU 2604181 C2 20161210;
SG 10201505369Q A 20150828; SI 2238166 T1 20140331; US 2010291097 A1 20101118; US 9403902 B2 20160802;
ZA 201003128 B 20181128; ZA 201106603 B 20190626

DOCDB simple family (application)

US 2008011493 W 20081003; AU 2008311367 A 20081003; BR PI0818643 A 20081003; CA 2701793 A 20081003;
CN 200880118752 A 20081003; CY 141100115 T 20140214; DK 08837467 T 20081003; EP 08837467 A 20081003; EP 12189859 A 20081003;
ES 08837467 T 20081003; HK 11103728 A 20110413; HR P20140175 T 20140226; IL 20483610 A 20100406; PH 12013501456 A 20130708;
PL 08837467 T 20081003; PT 08837467 T 20081003; RS P20140084 A 20081003; RU 2010116824 A 20081003; RU 2012133155 A 20081003;
SG 10201505369Q A 20081003; SI 200831150 T 20081003; US 68169608 A 20081003; ZA 201003128 A 20100504; ZA 201106603 A 20110908